THE

Mineralogical Magazine

AND

JOURNAL

OF THE

MINERALOGICAL SOCIETY

(Instituted February 3, 1876)

Edited by L. J. SPENCER, M.A.

ASSISTED BY A COMMITTEE OF COUNCIL

VOLUME XV

(Nos. 68-72, 1908-1910)

LONDON:

SIMPKIN, MARSHALL, HAMILTON, KENT & CO., Limited,

Stationers' Hall Court

1910

Digitized by the Internet Archive
in 2023

https://archive.org/details/mineralogical-magazine_1908-1910_15_contents

TABLE OF CONTENTS.

[No. 68. APRIL, 1908.]

	PAGE
Bye-Laws and List of Members	vii
Proceedings of the Mineralogical Society	xix
L. J. SPENCER: On Hopeite and other zinc phosphates and associated minerals from the Broken Hill mines, North-Western Rhodesia	1
H. A. MIERS: Note on the crystallization of potassium bichromate. (With plate I.)	39
T. V. BARKER: The question of a relation between the parallel growths of crystals and isomorphous miscibility, and the bearing of parallel growths on questions of isomorphism. (With plate II.)	42
H. J. JOHNSTON-LAVIS and L. J. SPENCER: On Chlormanganokalite, a new Vesuvian mineral; with notes on some of the associated minerals	54
W. J. LEWIS: On some twins of calcite; and on a simple method of drawing crystals of calcite and other rhombohedral crystals, and of deducing the relations of their symbols	62
G. T. PRIOR and F. ZAMBONINI: On Strüverite and its relation to Ilmenorutile	78
Notes	90

[No. 69. NOVEMBER, 1908.]

A. HUTCHINSON: On a protractor for use in constructing stereographic and gnomonic projections of the sphere. (With plates III, IV, IV a, and V.)	93
G. BARROW and H. H. THOMAS: On the occurrence of metamorphic minerals in calcareous rocks in the Bodmin and Camelford areas, Cornwall	113
A. B. DICK: Supplementary notes on the mineral Kaolinite	124
F. H. BUTLER: Kaolinization and other changes in West of England rocks	128
L. FLETCHER: On the possible existence of a nickel-iron constituent (Fe_5Ni_3) in both the meteoric iron of Youndegin and the meteoric stone of Zomba	147
G. F. H. SMITH: Note on synthetical corundum and spinel	153
H. L. BOWMAN: On the structure of Perovskite from the Burgumer Alp, Pfitschthal, Tyrol	156
H. L. BOWMAN: An attachment to the goniometer for use in the measurement of crystals with complex faces	177
Obituary: Henry Clifton Sorby. (With plate VI.)	180
Reviews	185

[No. 70. JULY, 1909.]

PAGE
Proceedings of the Mineralogical Society xxv
H. C. Sorby: On a new method for studying the optical properties of crystals 189
H. L. Bowman: On the identity of Poonahlite with Mesolite . . 216
J. Chevalier: Note on the spontaneous crystallization of drops of solutions as spherulites 224
S. Kreutz: Contributions to the study of parallel growths of different substances 232
G. Barrow and H. H. Thomas: Some additional localities for Idocrase in Cornwall 238
H. H. Thomas: Detrital Andalusite in Tertiary and Post-tertiary sands 241
H. Hilton: The energy of twin-crystals 245
F. Zambonini and G. T Prior: On the identity of Guarinite and Hiortdahlite 247
T. Crook: The electrostatic separation of minerals 260
Obituaries 265
Reviews 267

[No. 71. MARCH, 1910.]

Proceedings of the Mineralogical Society xxxiii
T. Crook and G. S. Blake: On Carnotite and an associated mineral complex from South Australia 271
A. Russell: On the occurrence of the rare mineral Carminite in Cornwall 285
F. N. A. Fleischmann: On the occurrence of Gyrolite in County Antrim 288
G. S. Whitby: On the species Pilolite, and the examination of a specimen from China 294
J. B. Scrivenor: On an occurrence of native Copper with tin-ore in the Federated Malay States 299
L. J. Spencer: On the occurrence of Alstonite and Ullmannite (a species new to Britain) in a Barytes-Witherite vein at the New Brancepeth Colliery near Durham 302
G. T. Prior: On a Meteoric Stone from Simondium, Cape Colony. (With plate VII, Fig. 1.) 312
G. T. Prior: On an Analcite-basalt from Rathjordan, Co. Limerick. (With plate VII, Figs. 2 and 3.) 315
L. J. Spencer: Notes on the weight of the 'Cullinan' diamond, and on the value of the carat-weight 318
Reviews 327

[No. 72. SEPTEMBER, 1910.]

Proceedings of the Mineralogical Society xxxvii
G. W. Grabham: An improved form of petrological microscope: with some general notes on the illumination of microscopic objects. (With plate VIII.) 335
H. L. Bowman and H. E. Clarke: On the structure and composition of the Chandakapur meteoric stone. (With plates IX and X.) . 350

PAGE
A. Russell: Notes on the occurrence of zeolites in Cornwall and Devon 377
G. T. Prior: Analyses of Seligmannite, zinciferous Tennantite ('Binnite'), and Fuchsite from the Lengenbach quarry, Binnenthal 385
G. F. H. Smith: A camera lucida attachment for the goniometer . 388
J. W. Evans: Twin-planes and cross-planes 390
J. W. Evans: Axes of symmetry and crystallographic classes . . 398
J. W. Evans: A modification of the stereographic projection . . 401
S. J. Shand: On a group of minerals formed by the combustion of pyritous shales in Midlothian 403
W. E. P. McLintock: On Datolite from the Lizard district, Cornwall 407
L. J. Spencer: A (fifth) list of new mineral names: with an index of authors 415
Obituaries 442
Reviews 445
Index, Errata 448

DESCRIPTION OF PLATES.

			PAGE
Plate	I.	Crystallization of Potassium Bichromate (H. A. Miers)	39
,,	II.	Regular growth of Soluble Salts on each other (T. V. Barker)	53
,,	III.	Stereographic and Gnomonic Protractors (A. Hutchinson).	95
,,	IVa. IV.	Stereographic Net (A. Hutchinson)	100
,,	V.	Triangular Compass (A. Hutchinson)	104
,,	VI.	Portrait of Henry Clifton Sorby (1826–1908)	180
,,	VII.	Meteoric Stone from Simondium, Cape Colony (G. T. Prior)	312
		Analcite-basalt from Rathjordan, Co. Limerick (G. T. Prior)	315
,,	VIII.	Illumination of Microscopic Objects (G. W. Grabham)	348
,,	IX. X.	The Chandakapur Meteoric Stone (H. L. Bowman and H. E. Clarke)	376